SUPPLEMENT TO
TECHNICAL MANUAL
for
RADIO SET AN/GRC-9

TÉLÉCOMMUNICATIONS RADIOÉLECTRIQUES ET TÉLÉPHONIQUES
PARIS - FRANCE

SUPPLEMENT

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TECHNICAL MANUAL
for
RADIO SET AN/GRC-9

The following information, published on order No. DA91-557-Euc-2, supplements the technical manual for AN/GRC-9.

The serial numbers of the equipment covered in this supplement are :

Name	*Serial numbers*
Receiver-Transmitter RT-77/GRC-9	0001 thru 3322
Generator GN 58-A	0001 thru 3322

Personnel using this equipment and having custody of this technical manual will enter suitable notations beside each affected paragraph and figure in the technical manual to indicate the presence of this supplementary information.

Par. 103. column 2 last line add :

(3) on the hand generator GN 58-A-Fr procured under contract No. DA-91-557-Euc-2, the voltage regulator 224 is secured on bracket 246, afixed on the generator structure. Therefore, the voltage regulator adapter with its octal base on one side, is not to be used.

Par. 103. page 103 add the following changes :

Ref No.	Generator GN 58-A-Fr
225	28 mh
226	7.5 μh
227	2.8 mh

App. II. Par. 2. Add the following after paragraph 2 :

2.1. Identification Table of Parts for Receiver-Transmitter RT-77/GRC-9, serial numbers thru for Order No. DA-91-557-Euc-2.

These Units have the same stock numbers as are assigned to the items in "Col. 2" of paragraph 2 except as follows:

a. C 146 is not used.

b. T101, T102, T103, T1, T2, and T3 are changed as follows:

Ref symbol	Name of part and description	Function of part	Signal Corps stock No.
T101	COIL, RF : oscillator ; 2 wnd, single layer wnd ; aluminium shield can, 1 $\frac{9}{16}$″ sq×3 $\frac{5}{32}$″ h; phenolic coil w/powdered iron core ; built-in trimmer capacitor 2.5 to 10 μμf for tuning; screwdriver ajustment thru top of can; 4 leads approx 1 3/4″ lg from bottom of can ; can marked "OSC, BAND 1"; contains temperature compensating capacitor C 149 μμf ± N. TRT dwg 42.183	V101, BAND 1 oscillator coil.	3C1084Z76-2

Ref symbol	Name of part and description	Function of part	Signal Corps stock No.
T102	COIL, RF : oscillator ; 2 wnd, multiple layer wnd ; aluminium shield can, 1 $\frac{9}{16}$″ sq × 3 5/8″ h ; phenolic coil w/powdered iron core ; built-in trimmer capacitor 2.5 to 12 μμf for tuning ; screwdriver ajustment thru top of can ; 2 leads and 3 solder lug term at bottom of can ; can marked "OSC, BAND 2" ; contains temperature - compensating capacitor C150 : μμf ± N TRT dwg 42.184	V101, BAND 2 oscillator coil	3C1084Z76-3
T103	COIL, RF : oscillator ; 2 wnd ; single layer wnd ; aluminium shield can, 1 $\frac{9}{16}$″ square × 3 5/8″ h ; phenolic coil w/ powdered iron core ; built-in trimmer capacitor 2.5 to 10 μμf ; screwdriver ajustment thru top of can ; can marked "OSC, BAND 3" ; contains temperature-compensating capacitor C151 : μμf ± N TRT dwg 42.185	V101, BAND 3 oscillator coil	3C1084Z76-4

Ref symbol	Name of part and description	Function of part	Signal Corps stock No.
T1	COIL assembly, RF : antenna ; aluminium shield can, 3 double wnd coils, stamped "T1" ; includes the following capacitors : C1 μμf ± N C2 μμf ± N C3 μμf ± N TRT dwg 42.286	Receiver antenna Transformer assembly	2C1084Z28-4
T2	COIL assembly, RF : mixer ; aluminium shield can ; 3 double wnd coils w/adj iron cores ; stamped "T2" ; includes the following capacitors : C11 μμf ± N C12 μμf ± N C13 μμf ± N C14 μμf ± N TRT dwg 42.287	R-f coupling Transformer assembly between V1 and V2	2C1084Z28-5
T3	COIL assembly, RF : osc ; aluminium shield can ; 3 tapped coils w/adj iron cores ; stamped "T3" ; includes the following capacitors : C19 μμf ± N C21 μμf ± N C23 μμf ± N TRT dwg 42.288	V2, h-f oscillator coil assembly	2C1084Z28-3

MAINTENANCE PARTS LIST

TABLE OF PARTS FOR RADIO SET AN/GRC-9 Fr

Note : The maintenance Parts list described below is procured on order n° DA-91-557-EUC 2

Signal Corps Stock No	T. R. T. drawing	Reference Symbol	NAME OF PART AND DESCRIPTION	Quantity per Equip.	Mainten. for 100 Equip.
2A-203-101	60794		Antenna AT-101/GRC-9 Fr on reel RL 29 Fr	1	28
3G-1250-44-1	24448		Insulator, steatite for antenna	10	96
2A-203-102	60795		Antenna AT-102/GRC-9 Fr on reel RL 29 Fr	1	28
2Z-551-172	80535		Bag BG 172 Fr	1	14
3H-160-175	80564		Bag BG 175 Fr	1	14
2Z-553-140	80565		Bag CW 140-GRC/9 Fr, (radio-set)	1	14
3E-1999-86	42380		Cable assembly cord CD 1086 Fr, 7 Ft lg.	1	66
2Z-7226-279	42374		Connector female contact : Plug PL 279, 9 rd. pol. cont. (CD 1086 Fr)	2	75
2Z-7226-294	42373		Connector, plug : Plug PL 294, 9 pol. cont. (CD 1086 Fr)	2	75
3E-1999-119	42378		Cable assembly, CD 1119 Fr, 34 1/2″ lg., 3 cond, W/4 prong male	1	66
2Z-7226-P257	42376		Connector female contact 1 Plug PL 257 (CD 1119 Fr)	1	64
2A-712	60838		Counterpoise CP 12 Fr } on reel RL 29 Fr	1	44
2A-713	60839		Counterpoise CP 13 Fr }		
2Z-1203-515	42108		Bracket FT 515 Fr	1	14
2A-3129	41695		Reel RL 29 Fr	3	22
2A-3128	42179		Reel RL 28 Fr	1	10
3H-1407	42123		Grank GC 7 Fr (for GN 58 Fr)	2	14
2A-1312	42208		Guy GY 12 Fr (for vertical antenna)	1	126
2A-1336-42	42205		Guy GY 42 Fr (for vertical antenna)	1	126
6Z-4938	42177		Halyard M 378 Fr	1	126
6Z-4939	42176		Halyard M 379 Fr	1	126
3C-627	60842		Insulator IN 127 Fr	1	96
3Z-3445	42386		Key J 45 Fr, with cord CD 201 A Fr	1	12

TABLE OF PARTS FOR RADIO SET AN/GRC-9 Fr

Signal Corps Stock No	T.R.T. drawing	Reference Symbol	NAME OF PART AND DESCRIPTION	Quantity per Equip.	Mainten. for 100 Equip.
3E-1201	26747		Cable assembly cord CD 201 A Fr	1	26
2Z-6102 B	80540		Leg LG 2 B Fr	1	12
2Z-6103 B	42130		Leg LG 3 B Fr	2	21
2A-2088-65	60843		Mast Base MP 65 Fr (Antenna)	1	28
2A-2416	42414		Mast Section MS 116 A Fr	3	180
2A-2417	42415		Mast Section MS 117 A Fr	1	60
2A-2418	42419		Mast Section MS 118 A Fr	1	60
2Z-6763-350	80568		Mounting MT 350/GRC-9 Fr	1	16
2Z-8060174	80566		Roll BG 174 Fr	1	14
2Z-6310-7	60850		Loud speaker LS 7 Fr	1	38
2Z-9632-515	42352		Transformer of the Loud speaker	1	38
2A-3327	26594		Stake GP 27 Fr	4	119
1B-128	26744		Wire W 128 Fr, 10 Ft lg.	1	80
3E-7173-22	42437		Cable assembly, 4 cond. (between Receiver and Transmitter)	1	22
6Z-3810-82	26547		Fastener, latch : case, steel 3-3/16″ lg. × 1″ wd × 1″ thk overall	10	156
2Z-4868-444	42180		Gasket, cover to case seal 16 1/3″ diam × 0,24″ thk	1	32
2Z-3350-109	80538		Panel cover CW 109/GRC-9 with gasket draw. 42180	1	10

TABLE OF PARTS FOR RECEIVER-TRANSMITTER RT-77/GRC-9 Fr

Signal Corps Stock No	T. R. T. drawing	Reference Symbol	NAME OF PART AND DESCRIPTION	Quantity per Equip.	Mainten. for 100 Equip.
			CERAMIC CAPACITORS		
3-DA1-148-1		C-117	1000 mmF ± 20 % variable temp. coef. 300 vdcw	1	14
3D-9005-71		C-129	5 mmF ± 0,3 mmF variable temp. coef. 550 10^{-6} 500 vdcw t. TJ	1	22
3D-9006-16		C-124 C-125	6 mmF ± 10 % var. temp. coef. 100 10^{-6} 1000 vdcw	2	14
3D-9010-108		C-126 C-127	10 mmF ± 10 % var. temp. coef. 150 10^{-6} 1000 vdcw	2	30
3D-9045-8		C-123	45 mmF ± 5 % neg. coef. 750 10^{-6} 1000 vdcw U.J.	1	14
3D-9080-12		C-122	80 mmF ± 5 % neg. coef. 750 10^{-6} 1500 vdcw U.J.	1	14
3D-9470-16		C-136	470 mmF ± 20 % var. temp. coef. 300 vdcw	1	14
3DA-6800-2		C-115	6800 mmF + 30 % — 20 % var. temp. coef. 300 vdcw	1	14
3D-9047-39		C-143	47 mmF ± 10 % neg. coef. 750 10^{-6} 500 vdcw U.J.	1	22
3D-9005-71		C-147	5 mmF ± 0,25 pF neg. coef. 750 10^{-6} 500 vdcw U.K.	1	22
3DE-135	42219	C-128A C-128B C-128C	120 mmF 60 mmF 135 mmF 3 sect. 135-60-120 mmF, ± 6 % variable neg. temp. coef. 300 to 800 10^{-6} 1000 vdcw	1	58
			MICA CAPACITORS		
3K-2051122		C-105 C-109 C-110	510 mmF ± 5 % 500 vdcw	3	30
3K-3010221		C-142	1000 mmF ± 10 % 500 vdcw	1	14
3K-3582251		C-104	8200 mmF ± 10 % 300 vdcw	1	14
3DA3-109		C-144 C-145	3000 mmF ± 10 % 750 vdcw	2	24
			PAPER CAPACITORS		
3DA-10380	29810	C-103 C-140	10000 mmF ± 20 % 120 vdcw service	2	27
3DA-1002091	29663	C-132 C-133 C-137	100000 mmF + 10 % — 30 % 120 vdcw service	3	49

TABLE OF PARTS FOR RECEIVER-TRANSMITTER RT-77/GRC-9 Fr

Signal Corps Stock No	T.R.T. drawing	Reference Symbol	NAME OF PART AND DESCRIPTION	Quantity per Equip.	Mainten. for 100 Equip.
3DA-25088		C-134 C-138 C-139	250000 mmF ± 10 % 200 vdcw service	3	43
3DA-10382	29809	C-116 C-121 C-148	10000 mmF ± 20 % 1000 vdcw service	3	42
			ELECTROLYTIC CAPACITORS		
3DB-100-10	42224	C-135	100 µF + 200 % — 10 % 6 vdcw	1	56
			COILS		
3C-1084Z76-2	42183	T-101	Coil, oscillator « Band I » includes C-106B-149	1	12
3C-1084Z76-3	42184	T-102	Coil, oscillator « Band II » includes C-107A-150	1	12
3C-1084Z76-4	42185	T-103	Coil, oscillator « Band III » includes C-108C-151	1	12
3C-1084Z28-9	42186	T-104	Shield with :	1	14
3C-1084Z28-12		T-104A	Coil, RF doubler plate « Band I » includes C-114		
3C-1084Z28-16		T-104B	Coil, RF doubler plate « Band II »		
3C-1084Z28-11		T-104C	Coil RF : doubler plate « Band III »		
3C-1084Z28-19	42187	T-107	Coil RF : power amplifier plate « Band I »	1	12
3C-1084Z28-13	42188	T-108	Coil RF : power amplifier plate « Band II »	1	12
3C-1084Z28-14	42189	T-109	Coil RF : power amplifier plate « Band III »	1	12
3C-1084Z28-6	42190	T-110AB	Coil Assembly : antenna tuning	1	14
2Z-9631-137	42191	T-112	Transformer AF : microphone type	1	12
2Z-9634-39	42192	T-113	Transformer AF : modulation type	1	12
3C-1084Z28-10	42193	T-114	Coil RF, receiver antenna transformer includes C 141	1	14
2Z-3262-19	42206		Core ajustable tuning W/ gear rack for T 110 A & B	2	17
3C-323-177D	42194	L-101	Coil RF choke 1,25 mH ± 5 %	1	23
3C-1084Z28-7	42195	L-102	Coil RF : antenna loading	1	16
3C-323-177B	42196	L-103	Coil AF : filter choke 5,5 henrys 10 mA 550 ohms	1	16
3C-1084Z28-8	42197	L-104	Coil RF : compensator 12 uH ± 1 %	1	18

TABLE OF PARTS FOR RECEIVER-TRANSMITTER RT-77/GRC-9 Fr

Signal Corps Stock No	T.R.T. drawing	Reference Symbol	NAME OF PART AND DESCRIPTION	Quantity per Equip.	Mainten. for 100 Equip.
			CARBON RESISTORS		
3Z-6822-1		R-122 R-123	22 megohms ± 10 % 1 watt	2	38
3RC3OBF200J		R-108	20 ohms ± 5 % 1 watt	1	18
3RC3OBF390J		R-125	39 ohms ± 5 % 1 watt	1	18
3RC2OBF560K		R-119	56 ohms ± 10 % 1/2 watt	1	18
3RC2OBF680J		R-109	68 ohms ± 5 % 1/2 watt	1	18
3RC2OBF271K		R-111	270 ohms ± 10 % 1/2 watt	1	18
3RC2OBF331K		R-103	330 ohms ± 10 % 1/2 watt	1	18
3RC2OBF102K		R-107	1000 ohms ± 10 % 1/2 watt	1	18
3RC2OBF362J		R-106	3600 ohms ± 5 % 1/2 watt	1	18
3RC2OBF822K		R-121	8200 ohms ± 10 % 1/2 watt	1	22
3RC2OBF153K		R-113	15 Kohms ± 10 % 1/2 watt	1	18
3RC2OBF183K		R-101	18 Kohms ± 10 % 1/2 watt	1	18
3RC2OBF393K		R-114 R-115	39 Kohms ± 10 % 1/2 watt	2	24
3RC3OB9393K		R-120	39 Kohms ± 10 % 1 watt	1	18
3RC2OBF104K		R-102 R-104	100 Kohms ± 10 % 1/2 watt	2	32
3RC2OBF474K		R-112	470 Kohms ± 10 % 1/2 watt	1	18
			WIRE WOUND RESISTORS		
3Z-5999-10	42217	R-110	9 ohms ± 3 % 5 watts	1	22
3Z-6620-71	42216	R-105 R-117 R-118	20 Kohms ± 5 % 10 watts	3	30
3Z-6630-112	42229	R-124	30 Kohms ± 5 % 10 watts	1	22
			CONNECTORS		
2Z-3029-23	42337	J-102	Connector, male contact : 9 banana type contact w/rubber gasket	1	22
2Z-8799-134	42333	J-103	Connector male contact : 4 cont. Amphenol 97-3102-14S-2P (battery connector for BA48)	1	16
2Z-9409-66	28379	J-106	Board, terminal, 9 solder lugs, 9 female cont. connectors, phenolic stenciled 1 to 9	1	22
			SOCKETS		
2Z-5883-318	26844	X-113	Lampholder, miniature bayonet - pilot lamp	1	28
2Z-8677-95	42556	X-108 X-114	Socket, tube miniature with bracket ceramic type B1506-57	2	20

TABLE OF PARTS FOR RECEIVER-TRANSMITTER RT-77/GRC-9 Fr

Signal Corps Stock No	T.R.T. drawing	Reference Symbol	NAME OF PART AND DESCRIPTION	Quantity per Equip.	Mainten. for 100 Equip.
2Z-8877-116	42558	X-101	Socket tube 7 prong miniature ceramic type B1505-55	1	14
2Z-5885-8	42347	X-111	Lampholder for indicator lamp NE47	1	28
2Z-8675-85	26833 26834	X-109	Socket tube bakelite with spring but without bracket (for power amplifier 2E22)	1	14
2Z-8678-326	26832	X-110 X-112	Socket, tube - octal bakelite amphenol 74-8T	2	20
2Z-8672-8	24589	X-102 to X-107	Socket crystal	6	52
			SWITCHES		
3Z-9903A-64	60889	S-101 A to N	Switch rotary band change SW for transmitter c/s SW, capacitors, resistances, shaft, 6Kt's, « o » ring ; 5 ceramic and 4 bakelite wafers	1	26
2Z-9903A-64-1	42530	S-102 A to F	Switch assembly rotary ant. selector SW, 2 capacitors, 18 jumper wires, 1 phenolic and 4 ceramic sect.	1	26
3Z-9825-41-11	42534	S-103 A to D	Switch rotary, 4 pole 3 position - 6 jumper wires (OFF-SEND-STANDBY)	1	26
3Z-9825-41-10	42266	S-105 1 to 4	Switch, rotary, 7 pole 12 position, 1 phenolic and 1 ceramic wafer (Phone-MCW-CW)	1	26
3Z-824-42-1	42336	S-104	Switch push	1	27
			JACKS		
2Z-5595-16	42341 26855	J-104	Jack, telephone, 3 cont. in rubber ballon (microphone)	1	10
2Z-5595-15	42342 26855	J-105	Jack, telephone, 2 cont. in rubber ballon (Key)	1	10
			POTENTIOMETERS		
3Z-74991-52	42222	R-115	Resistor variable, carbon, 1 mégohm + 20 % (Side tone control)	1	32
			VARIABLE CAPACITORS		
3D-9202-VE6	60880	C-101 A-B-C	Capacitor, variable : air, 3 sect. (tuning gang)	1	7
3D-9008-VE5-2	42292	C-102	Capacitor, variable : air : 2,5 to 8,5 mmF	1	7
3D-9013-VE8-1	42290	C-111 112-113	Capacitor, variable, air 1,8 to 13,8 mmF	3	17
3D-9009-V-18	42231	C-118 119-120	Capacitor, variable air, 3,5 to 9 mmF	3	17
			RELAYS		
2Z-7597-8	42308	K-101	Relay (keying)	1	58
3H-937	42307	K-102	Circuit breaker (overload relay)	1	14

TABLE OF PARTS FOR RECEIVER-TRANSMITTER RT-77/GRC-9 Fr

Signal Corps Stock No	T.R.T. drawing	Reference Symbol	NAME OF PART AND DESCRIPTION	Quantity per Equip.	Mainten. for 100 Equip.
			LAMPS		
2Z-5971-1	42343	I-102	Lamp, incandescent 2 v 60 mA	1	45
2J-3A4	42568	V-101 102-105	Tube, electron. JAN 3A4	3	458
2Z-5889-15	42339	I-101	Lamp NE47 (indicator lamp)	1	25
2J-OC3/VR105	42566	V-104	Tube OC3/VR105	1	178
2J-2E22	42503	V-103	Tube 2E22	1	158
3H-4860-50	42317	CR-101	Rectifier, metallic, selenium, input 3,6 vdc 200 mA	1	25
2C-5395-1306/D1	28209		Seal, water : rubber, bushing W/brass insert (for dial shaft seal)	1	18
2Z-8304-111	42508		Shield (shield plate for 3 tubes)	1	14
3Z-770-4-58	28363		Board, terminal, for 2 capacitors, 4 solder lug term. 1 3/8″×1 5/16″	1	24
3Z-770-3-22	28378		Board, terminal, for 3 capacitor and 1 resistor, 3 solder lug term 1 3/4″×1 1/2″	1	24
2Z-9403-210	28359		Board, terminal, 3 banana jacks, stenciled J101A-B-C, phenolic 6 1/2″×1/2″×3/16″	1	14
2Z-9406-253	28418		Board, terminal, 6 brass term, 3 brass insert, stenciled R101-121-C-104	1	14
2Z-9411-44	28364		Board, terminal, 11 brass term, 2 brass inserts bakelite, stenciled R103-106-107-111-112	1	14
2Z-9413-29	28419		Board, terminal, 13 term, 2 brass inserts, stenciled C136-137-140-R113-114-116	1	14
2Z-1244-142	28013		Bracket, relay support	1	68
2Z-1607-58	42332		Cap, cover for battery connection with chain	1	14
6D-10105-16	28373		Chart calibration	1	9
2Z-3352-156	26843		Cover jack, rubber cap	2	32
2Z-4868-448	28167		Gasket, antenna binding post	2	77
2C-5395-1306/G4	25015		Gasket battery connector plug, rubber	1	45
2Z-4868-445	28083		Gasket, binding post, rubber 0,114″×0,254″	2	77
2C-5395-1306/G7	28054		Gasket condenser shaft : rubber	2	77
2C-5395-1306/G10	26853		Gasket indicator lampholder : rubber	1	45
2C-5395-1306/G8	26856		Gasket light filter holder, rubber, 0,718″×0,875″ ×0,048″	1	32
2Z-4868-446	26838		Gasket power plug : rubber	1	32
2Z-4868-447	42491		Gasket rubber, 10 17/32″×10″×17/64″	1	32
3C-1838-6-25	28169		Insulator, bushing: extruded washer type 0,1405 ×3/8″×11/64″ Ø 1/16″	8	66

TABLE OF PARTS FOR RECEIVER-TRANSMITTER RT-77/GRC-9 Fr

Signal Corps Stock No	T.R.T. drawing	Reference Symbol	NAME OF PART AND DESCRIPTION	Quantity per Equip.	Mainten. for 100 Equip.
3C-1100-22-1	26917		Insulator, rectangular, steatite (insulates binding post from front of panel)	1	14
2Z-5786-110	28015		Knob aluminium single, flourescent marker on one end	1	10
3C-1100-22	26916		Insulator standoff; rectangular, steatite (insulates binding post from inside of panel)	1	16
2Z-5821-109	28016		Knob aluminium double flourescent marker on top and sides	2	17
2Z-5821-110	28253		Knob round black phenolic, W/dial lock and dial	1	10
2Z-6125-43	26852		Lens, indicator lamp, polaroid	1	14
2Z-5576/1			Nut (jack mounting) 3/8″-32, 7/64″ × 1/2″ across plate	2	24
2Z-741-21-1	26923		Post, binding W/plastic caps	2	32
2Z-2712-114	28163		Clip, electron tube 1 3/8″ diam. max. opening	1	43
	28241		Pinion for antenna tuning	2	48
	28467		Axis for antenna tuning	1	24
			CERAMIC CAPACITORS		
3D-9002-31		C-36	2 pf ± 1/2 pf neg. coef. 750^{10-6} 500 vdcw Type IK	1	14
3D-9007-18		C-51	7 pf ± 1/2 pf coef. 0 500 vdcw	1	14
3D-9051-23		C-39	51 pf ± 5 % neg. coef. 330^{10-6} 500 vdcw Type SH or two capacitors 24+27 pF	1	14
3D-9091-8		C-29	91 pf ± 5 % neg. coef. 750^{10-6} 500 vdcw Type UJ	1	14
3D-9100-246		C-47-52	100 pf ± 10 % neg. coef. 750^{10-6} 500 vdcw Type UJ	2	30
3DA-1-148-1		C-8-28-53	1000 pf ± 20 % variable temp. coef. 300 vdcw	3	14
3DA-1500-18		C-57	1500 pf ± 20 % variable temp. coef. 300 vdcw	1	14
3D-9251-65		C-49	250 pf ± 20 % variable temp. coef. 500 vdcw	1	14
			ELECTROLYTIC CAPACITORS		
3DB-800-2	42305	C-34A C-34B	Capacitor fixed, electrolytic - 2 sect. 10 - 800 mF - 150-6 v 10 µf 150 volts	1	45
			MICA CAPACITORS		
3K-2030122		C-41	300 pf ± 5 % 500 vdcw	1	14
			PAPER CAPACITORS		
3DA-130-5	42285	C-9-55	0,13 µf ± 20 % 150 vdcw	2	24
3DA-250-88	42225	C-40	0,25 µf ± 10 % 200 vdcw	1	22
3DA-103-80	29810	C-10-24-30-33-35-43-46-48-50-54-56-60	0,01 µf ± 20 % 120 vdcw	12	88

TABLE OF PARTS FOR RECEIVER-TRANSMITTER RT-77/GRC-9 Fr

Signal Corps Stock No	T.R.T. drawing	Reference Symbol	NAME OF PART AND DESCRIPTION	Quantity per Equip.	Mainten. for 100 Equip.
			COILS		
3C-1084Z28-4	42286	T-1	Coil Assembly RF, antenna, includes C-1-2-3	1	12
3C-1084Z28-5	42287	T-2	Coil Assembly RF mixer, includes C-11-12-13-14	1	12
3C-1084Z28-3	42288	T-3	Coil assembly RF, oscillator, includes C18 to C23 and R3-4-5	1	12
2Z-9641-80	42294	T-4-5-6	Transformer M.F.	3	12
2C-5395-1306/C12	42296	T-7	Coil RF, oscillator calibrator, includes C42 R14	1	12
2C-5395-1306/T4	42295	T-8	Coil RF, BFO transformer includes C58-59 and R26	1	14
2Z-9632-437	42306	T-9	Transformer AF, output	1	9
3C-323-177-A	42331	L-16	Coil, RF, choke 24 μH ± 10 % 0,25 ohms	1	16
			CARBON RESISTORS		
3RC-2OBF105K		R-1-6 16-22	1 megohms ± 10 % 1/2 watt	4	47
3RC-2OBF225K		R-20	2,2 megohms ± 10 % 1/2 watt	1	16
3RC-2OBF475K		R-10	4,7 megohms ± 10 % 1/2 watt	1	16
3RC-2OBF271K		R-28	270 ohms ± 10 % 1/2 watt	1	16
3RC-2OBF152K		R-29	1500 ohms ± 10 % 1/2 watt	1	16
3RC-2OBF472K		R-15	4700 ohms ± 10 % 1/2 watt	1	16
3RC-2OBF273K		R-2-12 23-24	27 Kohms + 10 % 1/2 watt	4	47
3RC-2OBF333K		R-8	33 Kohms + 10 % 1/2 watt	1	16
3RC-2OBF563K		R-7-17	56 Kohms + 10 % 1/2 watt	2	29
3RC-2OBF104K		R-11-27	100 Kohms + 10 % 1/2 watt	2	29
3RC-2OBF154K		R-25	150 Kohms + 10 % 1/2 watt	1	16
3RC-2OBF474K		R13-18-21	470 Kohms + 10 % 1/2 watt	3	39
			SOCKETS		
2Z-5883-316	26845	X-8	Lampholder miniature bayonet, brass, includes mtg BKT	1	12
2Z-8677-95	42556	X-1-X-3 4-5-6-7	Socket tube miniature steatite W/shield base type BI506-507	6	60
2Z-8677-116	42558	X-2	Socket tube miniature steatite type BI505-55	1	16
2Z-8672-8	24589	X-9	Socket crystal	1	14
			SWITCHES		
3Z-9825-6292	42313	S-4	Switch rotary (output impedance switch)	1	30
3Z-9825-62284	42276	S-3 (123)	Switch rotary (Phone-CW-NET-CAL)	1	30
3Z-9825-4112	42319	S1 A to F	Switch rotary (band switch)	1	24
3Z-9824-99	42302	S-2	Switch push (dial light)	1	30
			JACKS		
2Z-5595-4	42340	J-I-2	Jack telephone 4 cont.	2	27

TABLE OF PARTS FOR RECEIVER-TRANSMITTER RT-77/GRC-9 Fr

Signal Corps Stock No	T.R.T. drawing	Reference Symbol	NAME OF PART AND DESCRIPTION	Quantity per Equip.	Mainten. for 100 Equip.
			VARIABLE RESISTORS		
3Z-74991-51	42301	R-9	Resistor, variable 1 mg ± 20 % 1/4 watt	1	32
3Z-7499-222	42279	R-19AB	Resistor, variable 1/2 mg ± 20 % 1/4 watt	1	32
			VARIABLE CAPACITORS		
3D-9180-V3	60825	C-7 ABC	Capacitor variable air, 3 sect. 15 to 180 mmF	1	10
3D-9011-VE5	42293	C-4-5-6-15-16-17-25-26-27	Capacitor variable air, 2 to 11,5 mmF	9	52
3K-2024132	42291	C-61	Capacitor mica 240 mmF ± 5 % 500 vdcw	1	22
			TUBES		
2Z-5971-1	42343	E-1	Lamp incandescent 2 v 60 mA	1	45
2J-1L4	42569	V1-3	Tube 1 L4	2	300
2J-1R5	42570	V-2-4-7	Tube 1 R5	3	578
2J-1S5	42571	V-5	Tube 1 S5	1	150
2J-3Q4	42567	V-6	Tube 3 Q4	1	150
			RECTIFIER		
3H-48-58-16	42280	CR-1	Rectifier, 1,7 v output 1,4 v 350 mA	1	31
			CELL		
3A-9047-1	42289	BT-1	Cell, bias 5 v	1	35
2X-105-200	26939	I-1	Crystal Unit CR 2/U quartz 200 Kc	1	18
2Z-3352-156	26843		Cover, jack, steel W/rubber insert	2	24
2Z-3718-86	60871+ 28324+ screws		Dial (aluminium hub vinylite dial calibrated in 3 bands)	1	14
2Z-3876-92	80572		Drive, gear type includes miniature bayonet socket	1	10
2Z-4868-442	42413		Gasket, receiver panel to case seal, rubber 10 17/32″ lg. 5″ wd × 17/64″ thk	1	45
2Z-5821-109	28016		Knob, bar, alum. double green flourescent marker	1	7
2Z-5786-110	28015		Knob, bar, alum. single green flourescent marker	3	17
2Z-5821-111	28255		Knob, round w/dial lock	1	10
2Z-6126-8	26847		Lens, magnifying (Dial lens)	1	12
3Z-741-21-1	26924		Post binding screw type 1″ lg, 58″ ∅ w/molded cap	1	16
2Z-3775-1	26889		Seal water, rubber w/metal insert (seals dial shaft)	1	18
2Z-8304-110	28390		Shield assembly, tube (shield plate for 7 tubes)	1	7
2Z-8550-5	28117		Shutter, dial (exposes operating band)	1	7
	42316		Gear for switch S-1	1	24
	26846		Balloon for jack-rubber	2	24

TABLE OF PARTS FOR GENERATOR GN 58-A Fr

Signal Corps Stock No	T. R. T. drawing	Reference Symbol	NAME OF PART AND DESCRIPTION	Quantity per Equip.	Mainten. for 100 Equip.
			CAPACITORS		
3DB2-142	42312	233-1-2	Capacitor fixed paper 2 mF + 20 % — 10 % 600 vdcw	2	24
3DA250-534	42314	230	Capacitor fixed paper 500000 mmF ± 10 % 200 vdcw	1	14
3DB250-3	42320	231	Capacitor fixed electrolytic 250 mmF + 100 % — 10 % 10 vdcw	1	25
			COILS		
3C-575-K1	42327	225	Coil RF, filter 28 mH 0,45 Amp 10,2 to 10,9 ohms DC	1	19
3C-575-K	42318	227	Coil AF, filter 2,8 mH 3 A 0,12 ohms DC	1	10
3C-323-34X	42321	226	Coil RF, choke 9,4 μH 2,9 Amp 0,03 ohms	1	19
3C-323-34Y	42324	228-1 228-2	Coil RF, filter 530 μH 150 mF 7 ohms	2	31
			RESISTORS		
3Z-5510-22	42323	229	Resistor, fixed, wire wound 10.000 ohms ± 5 % 25 W	1	14
3Z-6001-119	42322	245	Resistor, ajustable, wire wound 10 ohms ± 10 % 10 W	1	18
2Z-3070-40	42354	240	Base - 9 plug - female	1	10
3H-525-99	28584	236	Brush set LV, 2 per set w/spring and cap	1	135
3H-525-97	28585	235	Brush set HV, 2 per set w/spring and cap	1	135
	42325 +42326	224	Voltage regulator w/bracket	1	18
3H-2402A	60832	237-1	Generator DC 84 W out put, dual voltage 425 V and 6,65 V	1	5
3H-2358/P7	42473		Bearing assembly, sleeve coupling ; right	1	14
3H-2358/P8	42472		Bearing assembly, sleeve coupling ; left	1	14
3H-2358/C1	28638		Cap, contact brush, bakelite w/brass insert	4	115
3H-2358/C15			Chain pitch 3/16″ × 7/32″ wd × 11 1/4″ lg, 60 links type S1807	1	10
3H-2358/C16			Chain 3/16″ pitch × 1/32″ wd × 10 7/8″ lg, 58 links type S1811	1	10

TABLE OF PARTS FOR GENERATOR GN 58-A Fr

Signal Corps Stock No	T.R.T. drawing	Reference Symbol	NAME OF PART AND DESCRIPTION	Quantity per Equip.	Mainten. for 100 Equip.
3H-2358/C30	28469		Coupling flexible—neoprene	2	16
6Z-3810-26	26984		Fastener, latch : cover ; bonderized steel without paint	6	70
3H-2358/G7	28061		Gasket, compressed for left bell	1	17
3H-2358/G9	28060		Gasket, compressed for right bell	1	17
3H-2358/G1	42500		Gasket, rubber tubular, cover seal	1	31
3H-2358/G5	28062		Gasket seal between generator and chain drive 7/8″×1 1/2″×1/64″	1	14
3H-2358/S18	32209		Gear pinion sprocket, 3d stage (for generator drive) 16 teeth	1	7
3H-2358/G46	42412		Gear spur, steel ; armature driving	1	7
3H-2358/G44	26994		Gear assembly, spur ; pinion gear and sprocket, steel	1	7
3H-2358/G45	26974		Gear assembly, spur ; sprocket wheel and sprocket pinion	1	7
3H-2358/G40	44220		Gear case, magnesium 5-7/8″ wdx 6-1/3″×3-3/16″ d ; mts by hole over gear, front brg and tie bkt	1	7
3H-2358/M10	28252		Mount, vibration round	4	70
3H-2358/R25	26858		Ring, retainer socket coupling ring, brass nickel finish	1	15
3H-2358/S15	24483		Spring torsion	2	31
6L-53014-1	28546		Washer flat bearing bronze	2	31
6L-53013-4	28547		Washer flat bearing bronze	1	3
6L-53016-1	28599		Washer flat bearing bronze	2	33
3H-2358/G4	29016		Washer flat round felt	2	24
6L-53018-1	29611		Washer flat bearing bronze	2	32
3H-5255-27	28312		Spring flat (for leg LG 3B)	1	25

Imp. Henon, Paris — 7-53